

What is claimed is:

1. A method for producing a titanium-containing aqueous solution, comprising reacting a titanium alkoxide with water in the presence of at least one of ammonia, and amines selected from a primary amine, a secondary amine, and a tertiary amine, provided that when ammonia and/or the primary amine only is used, at least one selected from the group consisting of an  $\alpha$ -diketone, a  $\beta$ -diketone, an  $\alpha$  hydroxyketone and a carboxylic acid is used in combination.

2. The method set forth in claim 1, wherein the amines comprises at least one of methyldiethanolamine, ethyldiethanolamine, diisopropanolamine, triethanolamine, dimethylamine, trimethylamine, diethylamine, and triethylamine.

3. The method set forth in claim 1 or 2, wherein said reaction is carried out in the presence of a ketone.

4. The method set forth in claim 3, wherein the ketone is at least one selected from the group consisting of an  $\alpha$ -diketone, a  $\beta$ -diketone, an  $\alpha$  hydroxyketone and a carboxylic acid.